

Rik's Water Consumption and the State of His Bedroom Door

This visualization interface displays my habits of drinking water from a specific water bottle and what times I keep my bedroom door closed or open.

The thin black lines represent the water level at various points in time; the axis for the water level remains unlabeled numerically because I am more interested in the relative amount of water (to a full bottle) rather than the numerical reading of the force sensor. I aggregate data every minute, so the lines will have a bit more random variation when the real data are plotted rather than the perfectly straight lines shown. Everytime I remove the bottle to drink water or refill it, the force drops to zero, which can be seen by all the drops in the chart before any changes in water level. The variable plotted here is "water_amount."

The plot background, furthermore, is shaded blue if my door is closed and left white if my door is open. The variable plotted is "walked_past," which takes values zero and one -- and is strangely named because at the creation of the database I intended for my IR sensor to serve a different purpose.

There are buttons above the plot to change the viewing window of the plot, showing more or fewer days and a more condensed or more granular view of the data, respectively.

There are also buttons to move the plot chronologically for the viewing window chosen.

